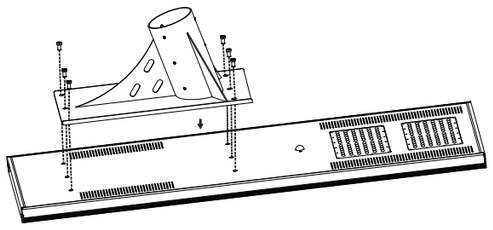
4.INSTALLATION INSTRUCTIONS

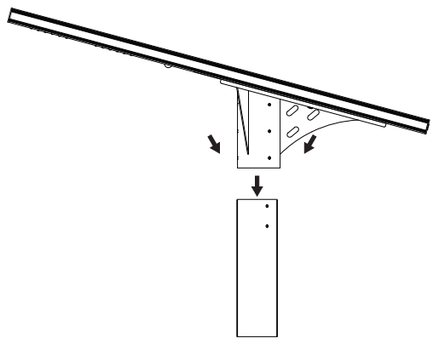
4.1 The tailstock installation

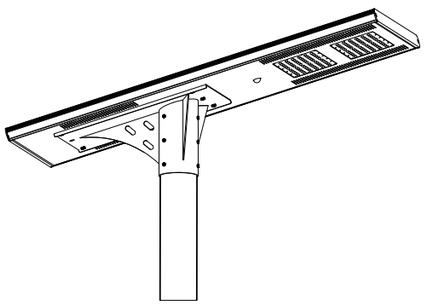
Use the screws to fix the bracket on the lamp



4.2 Light pole installed

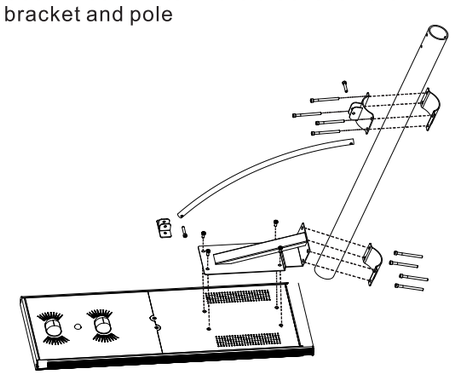
Use the screws to fix the lamp on the post

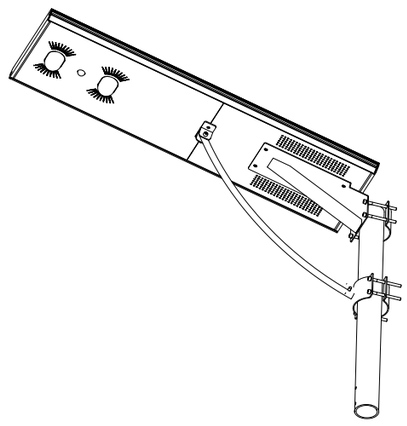




4.3 Bracket installation

Use the screws to fix the bracket on the bracket and pole

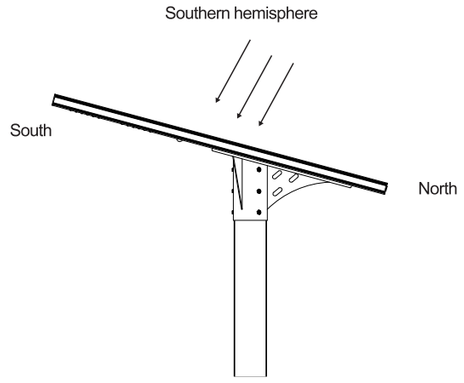


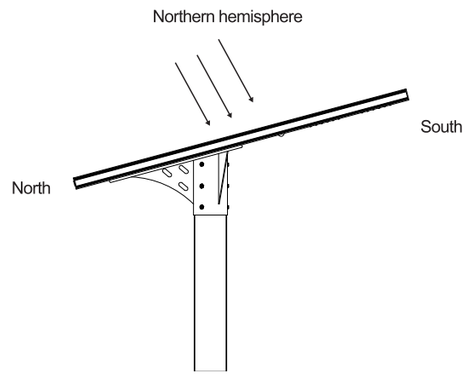


Successful installation

1. Integrated solar street lights can't work without sunshine, Please choose suitable product model according to the sunlight intensity of the installed area or amount of solar radiation, and choose product model according to the actual lighting needs ;In the area where the sun is not enough or long-time continuous rainy day, the working time of the solar light will be reduced, this lamp design is mainly based on African average illumination time;

2. If install this product in the northern hemisphere, make solar panels as possible towards the south, in order to get maximum light energy; If it is in the southern hemisphere, installing solar panels towards the north. At the same time to avoid the shadow of houses, trees and other obstructions which will reduce the efficiency of the solar panel and shorten its work time.





5.Warranty and after-service:

This product from the date of delivery, not artificial damage warranty for 36 months.

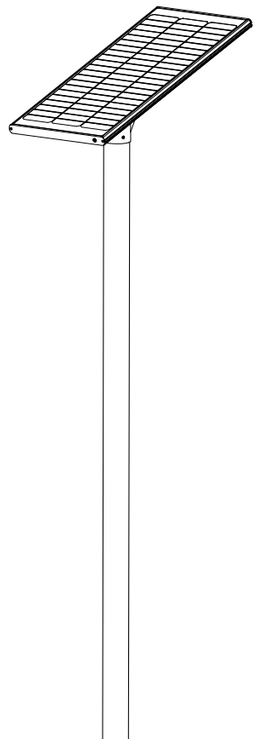
felicitysolar®

Make life full of hope

User Manual

A3 Series

All in one solar street light



358-010020-08

1.INTEGRATED SOLAR STREET LIGHT INTRODUCTION

1.1 Integrated design and source, high capacity LiFePO4 lithium battery, high energy, and long life, light weights, green and environmental protection, do not produce any harmful substances.

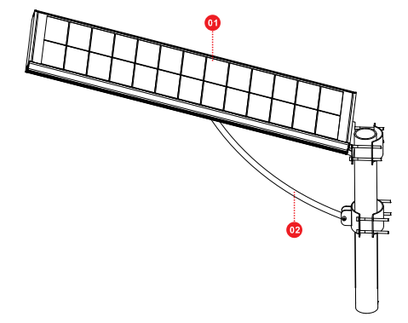
1.2 Philips LED chip with high light efficiency which can reach 180LM/W, and whole lamp light efficiency can reach 160LM/W at least

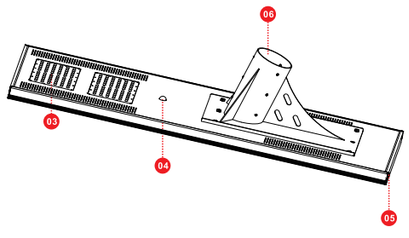
1.3 All series use intelligent controller which can increase 15%-30% charge efficiency

1.4 Design with high efficiency solar cell (＞22%)

1.5 Convenient installation and maintenance, no need of cable installation or special light pole, functional components modular design, installation and maintenance, convenient and quick replacement.

2.Part description





1. Solar panel
2. Support bracket
3. LED light
4. Body induction
5. Switch
6. Tailstock

3.The performance parameters

Model		A3-30W	A3-40W	A3-60W-P	A3-60W	A3-100W-S	A3-150W-S	Note
Solar module		55W (Mono)	60W (Mono)	105W (Mono)	105W (Mono)	130W(Mono)	150W(Mono)	
High capacity lithium battery		Built-in 260WH	Built-in 350WH	Built-in 405WH	Built-in 532WH	Built-in 888WH	Built-in 1240WH	
luminous flux (All light pattern)		4800lm	6400lm	8100lm	9600lm	16000lm	24000lm	
Working Mode		Normal mode(default): 4H100% 4H50% 4H25% Induction mode(optional): No induction or customization						OEM according to the quantity
Solar panel charge time		8H strong sunlight						
Working	TimeAll light pattern	≥ 12 hours						
	Raining days backup	3 days						
Color temperature		6500K						
Induction angle		70° X 140°						
Light pole diameter		76 - 114mm		114mm				
Storage temperature		0-55℃						
Operating humidity		≤ 90％RH						
Working temperature	Charge temperature	0-55℃						
	Discharge temperature	-10℃-60℃						
Ingress Protection		IP65						
Support bracket		Yes	Yes	No	No	No	No	
Recommend Installation height		3-5m	3-6m	5-7m	5-7m	6-9m	7-10m	
Product Package dimensions		1015*375*145mm	1155*375*145mm	1315*535*170mm	1315*535*170mm	1585*535*200mm	1785*535*200mm	2PCS/CTN
Product Gross weight		20.9KG	23.2KG	33.9KG	33.9KG	43.6 KG	48.8KG	2PCS/CTN
Tailstock Package dimensions		420*125*160mm		517*312*268mm				2PCS/CTN
Tailstock Gross weight		7.3KG		11.6KG				2PCS/CTN
Light distribution curve